

RECEIVED  
CENTRAL FAX CENTER

NOV 19 2004

CLAIM AMENDMENTS

1-3. (canceled)

4. (new) A control system for varying the compression ratio of an engine cylinder, comprising:

a crankshaft assembly including a maximum limiting stop and a minimum limiting stop;

a hydraulic positioning device connected to the crankshaft assembly, said positioning device adapted to move the crankshaft assembly within a range defined by the maximum limiting stop and the minimum limiting stop;

a constant pressure reservoir;

a hydraulic connection between the constant pressure reservoir and the hydraulic positioning device.

5. (new) The control system of claim 4, wherein a constant pressure is maintained between the hydraulic reservoir and the constant pressure reservoir.

6.

6. (new) The control system of claim 4, wherein the positioning device is a hydraulic cylinder containing a piston.

7.